ABSTRACT

A cap device for bottles, which is capable of mixing an additive contained therein with a material contained in a bottle to prepare a mixture in accordance with a simple rotating action of the cap device relative to the bottle, and which allows the mixture to be quickly discharged from the container. In the cap device of the invention, having a valve member seated in a neck of a bottle; a cap body tightened to an externally threaded mouth of a bottle and opened or closed at a lower end of a funnel part thereof by the valve member; and a cap cover acting as an additive containing part and assembled with the cap body to define a cavity therein to contain an additive in the cavity, the neck of the bottle is tapered downward on an inner surface thereof; the valve member is provided with a valve part at a center thereof to open or close the lower end of the funnel part of the cap body, with a plurality of radial ribs extending outward from an external surface of the valve part while defining a plurality of additive discharging holes between the radial ribs, the valve member also having a ring to surround outside ends of the radial rings, and a wedge-tipped shank vertically extending upward from a center of the valve part; a tapered surface is formed along an outer surface of the ring to correspond to the tapered inner surface of the neck of the bottle; and a vent hole is formed at a predetermined position of an upper end of the funnel part of the cap body.